

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A honeycomb sandwich panel comprising:
a honeycomb core having a number of cells extending therethrough in a thickness direction of the honeycomb core; and
a front surface layer and a rear surface layer provided on both sides of the cells in the thickness direction of the honeycomb core and fused to close openings of the cells, at least one of the front surface layer and the rear surface layer being made of a porous and air-permeable fiber reinforced plastic using as a matrix a phenolic resin, which becomes porous and allows passage of air between inside and outside of the cells, when it has been cured after heating in an autoclave.
2. (Original) A honeycomb sandwich panel according to claim 1, wherein each of the front surface layer and the rear surface layer is made of at least a single layer.
3. (Previously presented) A honeycomb sandwich panel according to claim 1, wherein the porous and air-permeable fiber reinforced plastic is a porous and air-permeable carbon fiber reinforced plastic.
4. (Previously presented) A honeycomb sandwich panel according to claim 1, wherein the porous and air-permeable fiber reinforced plastic is a porous and air-permeable glass fiber reinforced plastic.

5. (Original) A honeycomb sandwich panel according to claim 1, wherein the honeycomb core is made of a light metal.

6. (Previously Presented) A honeycomb sandwich panel according to claim 1, wherein the honeycomb core is made of a material selected from the group consisting of an aramid fiber and a glass fiber reinforced plastic.

7. (Currently Amended) A honeycomb sandwich panel for use in an interior material, exterior material, partition material or structural member of a spacecraft comprising:

a honeycomb core having a number of cells extending therethrough in a thickness direction of the honeycomb core; and

a front surface layer and a rear surface layer provided on both sides of the cells in the thickness direction of the honeycomb core and fused to close openings of the cells, at least one of the front surface layer and the rear surface layer being made of a porous and air-permeable fiber reinforced plastic using as a matrix a phenolic resin, which becomes porous and allows passage of air between inside and outside of the cells, when it has been cured after heating in an autoclave.

8. (Original) A honeycomb sandwich panel according to claim 7, wherein each of the front surface layer and the rear surface layer is made of at least a single layer.

9. (Previously presented) A honeycomb sandwich panel according to claim 7, wherein the porous and air-permeable fiber reinforced plastic is a porous and air-permeable carbon fiber reinforced plastic .

10. (Previously presented) A honeycomb sandwich panel according to claim 7, wherein the porous and air-permeable fiber reinforced plastic is a porous and air-permeable glass fiber reinforced plastic .

11. (Original) A honeycomb sandwich panel according to claim 7, wherein the honeycomb core is made of a light metal.

12. (Previously Presented) A honeycomb sandwich panel according to claim 7, wherein the honeycomb core is made of a material selected from the group consisting of an aramid fiber and a glass fiber reinforced plastic.

13. (New) A honeycomb sandwich panel according to claim 1, wherein each of the front surface layer and the rear surface layer is made of a plurality of layers.

14. (New) A honeycomb sandwich panel according to claim 1, wherein the front surface layer and the rear surface layer become porous and allow passage of air in a thickness direction when it has been cured after heating.

15. (New) A honeycomb sandwich panel according to claim 7, wherein each of the front surface layer and the rear surface layer is made of a plurality of layers.

16. A honeycomb sandwich panel according to claim 7, wherein the front surface layer and the rear surface layer become porous and allow passage of air in thickness direction, when it has been cured after heating.